

Abstract Submitted
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Physics Teacher Preparation at Stony Brook University. KEITH SHEPPARD, ROBERT MCCARTHY, ANGELA KELLY, AXEL DREES, Stony Brook University — Stony Brook University (SBU) has a long, rich history of collaboration between the physics department, the Institute for STEM Education (I-STEM) and K-12 schools. SBU has produced 85 certified Physics teachers since 1994 (60 physics majors and 25 physics minors). Both the Physics Department and I-STEM have "champions" who support physics teacher preparation. SBU is located on Long Island, which has over 250 certified physics teachers working in its 108 high schools so there is a large cadre of highly qualified and experienced physics teachers available to act as cooperating teachers. The region has an active physics teacher professional community including a professional society (LIPTA) and a newly created physics section of NYS Master Teacher Program, who help in mentoring new physics teachers. The PT program at SBU has numerous field experiences available with K-12 students and we actively recruit undergraduate students. Funding is available to support pre-service PTs. The Program requires a high physics content background with the vast majority of our graduates having completed 36 UG and 15 graduate credits in Physics (some specially aimed at teaching physics). All physics courses are taught in the physics department.

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